SAM (REX/Ops) Operations Meeting 2008.07.01
Adam (typist), Eric, SteveW, Krzysztof, JerryG, Angela (virtually), Anil, Randolph, Robert
Meeting time: 25 min
Posting these minutes closes DZSAM-117

For reports submitted to the meeting...
The report text is in this font
Comments made during the meeting are in this font inline with the report

Releases:
No new releases.

Releases in the works (fixed means that code is in CVS, but not released into KITS).

Issues not assigned to a release...

T	Key	Status	Summary
	SAMDEV-6	Open	samadmin remove cached files command does not copy the cached_files record to the history table

DØ:
--- There was no shifter at all this past weekend.

--- Mike in Farm has reported problems in getting files from Enstore.
Whole 9940B library would either read or write - not both. Other tape drives were left idle. Very strange behavior. Seems to be working now. Not understood at all.

--- June 25 : D0ora1 was back up after OS patching ~12 pm .

Unresolved issues:

Plone: #3933 : problem in modify request param dictionary. Can an expert help ? (I'm asking the user to show us his script.)

Plone: #3932: declaring files bad : I've alerted the shifter to do it and this should easily be resolved by a shifter.
Done

Plone: #3929/30 DZSAM-116 : "Jobs not starting, no deliveries from Enstore". Working on it...
Same as above

Plone: #3927: User "lebrun" complained about "no delivered file on CLUED0" but it seems that the projects all gone. Checking with the user to see whether we can close this ticket.
Same as above

Plone: #3925: "MC jobs held". This issue is different from the above Enstore problem, right ? Can we answer the user ?
WIll look at this

Robert: Trying to match storage site to worker node is not working because some worker nodes do not have "external" names. E.g. some worker

nodes have names like "node23.local" which is impossible to match. Need to do development to match on something else, like gateway name.

Issues: DZSAM resolved issues from past week (Displaying 1 of 1)

☒	DZSAM-110	Activate iu.edu SRM for OSG jobs	⬇

Issues: DZSAM new issues from past week (Displaying 2 of 2)

⬤	DZSAM-116	Jobs not starting, no deliveries from Enstore	⬆
☒	DZSAM-110	Activate iu.edu SRM for OSG jobs	⬇

Issues: DZSAM unresolved problems (Displaying 6 of 6)

⬤	DZSAM-116	Jobs not starting, no deliveries from Enstore	⬆
⬤	DZSAM-104	OSG-OUHEP Context server big log and Corba comm failures	⬇
⬤	DZSAM-100	MC Jobs overwhelming SBGRID	⬆
⬤	DZSAM-62	40 MC jobs held over the weekend	⬆
⬤	DZSAM-54	Jobs don't work on Lancaster Forwarding Node	⬆
⬤	DZSAM-53	samgrid reporting incorrect status of jobs	⬆

CDF:

here's the CDF report:

- Users complain about slow file access. There were up to 1.5k files in the restore queue. The difference between restoreHandler and queueInfo is at ~60 at the moment.
Prestaging would help here. Robert has a script (or do dccp -P : that just puts the requests in the queue, does not copy immediately).

- fcdfdata100 is down since Saturday midnight.

- There were DB issues because of parallel lumi queries and an old pickEvent.

- Randolph improved the query for remote site datasets significantly. The information about files on tape or permanent disk still has to be added.

- There are still file size mismatches (reminder for Randolph)

Status:
- two failing uploads
- fcdfdata100 node down, fcdfdata147-2 to 4 offline, fcdfdata320 inactive
- high number of restores
- 9940B22 dead, IAF406 marked NOACCESS

SteveW: Cached file problem has been fixed, but will need to run his script again until CDF uses the latest DB server.

SAM at CNAF - have not been able to run there for SAM for quite a long time because of a crash in sam_cpp_api. But CDF code mangles the traceback. Finally got a traceback that was useful - problem seems to be in looking a user name in their LDAP system. Robert rewrote the LDAP lookup code to make it threadsafe and sane. Has standalone versions of old and new code. Asking them to try it once their electrical problems are fixed.

Issues: CDFDH resolved issues from past week (Displaying 10 of 10)

⬤	CDFDH-154	CDF prd DB Largest Last_ET rising	⬇
⬤	CDFDH-153	CDF prd DB Largest Last_ET rising	⬇
⬤	CDFDH-149	SAM Optimizer is down for integration environment	⬇
⬤	CDFDH-145	stkensrv1 problem ? *urgent*	⬇
⬤	CDFDH-140	Read Access	⬇
⬤	CDFDH-137	strange fcp queue behaviour	⬆
⬤	CDFDH-127	data access problem	⬆
☒	CDFDH-122	Check status of CAF/SAM interface regarding recovery jobs	⬆
⬤	CDFDH-55	Re: copying files to Bologna	⬆
⬤	CDFDH-23	Stuck dCache requests	⬇

Issues: CDF new issues from past week (Displaying 15 of 15)

🔴	CDFDH-156	IAF406	⬇
🔴	CDFDH-155	Files on SAM taking too long	⬇
🔴	CDFDH-154	CDF prd DB Largest Last_ET rising	⬇
🔴	CDFDH-153	CDF prd DB Largest Last_ET rising	⬇
🔴	CDFDH-152	upload of two dhgp6a files failed	⬇
🔴	CDFDH-151	fcdfdata100	⬇
🔴	CDFDH-150	No authroization request	⬇
🔴	CDFDH-149	SAM Optimizer is down for integration environment	⬇
🔴	CDFDH-148	Added disk inactive from long time	⬇
🔴	CDFDH-147	sam get dataset offsite	⬇
🔴	CDFDH-146	Error Message	⬇
🔴	CDFDH-145	stkensrv1 problem ? *urgent*	⬇
🔴	CDFDH-144	gjt1bj	⬇
🔴	CDFDH-143	encp errors	⬇
🔴	CDFDH-142	dcache error for cafjob 3531028?	⬇

Issues: CDFDH unresolved problems (Displaying 20 of 20)

🔴	CDFDH-156	IAF406	⬇
🔴	CDFDH-155	Files on SAM taking too long	⬇
🔴	CDFDH-152	upload of two dhgp6a files failed	⬇
🔴	CDFDH-151	fcdfdata100	⬇
🔴	CDFDH-150	No authroization request	⬇
🔴	CDFDH-148	Added disk inactive from long time	⬇
🔴	CDFDH-147	sam get dataset offsite	⬇
🔴	CDFDH-146	Error Message	⬇
🔴	CDFDH-144	gjt1bj	⬇
🔴	CDFDH-143	encp errors	⬇
🔴	CDFDH-142	dcache error for cafjob 3531028?	⬇
🔴	CDFDH-139	Long running query from SAM on CDF Offline Production database	⬇
🔴	CDFDH-138	Problems with fcdfdata147	⬇
🔴	CDFDH-134	sam dataset definition problem	⬇
🔴	CDFDH-128	cdf-caf and cdf-fncdfsrv0 stations can get stuck if restarted	⬆
🔴	CDFDH-121	Debugging SAM @ CNAF	⬆
🔴	CDFDH-112	re : fcdfdata135 is offline	⬇
🔴	CDFDH-109	SAM problems @ CNAF	⬆
🔴	CDFDH-96	cdf-japan station is down	⬇
🔴	CDFDH-30	Inactive Dcache cells	⬇

MINOS:

General

Enstore -

   No files lost in repeated STKEN PNFS outages

   Discussed tape media plans 26 June
      Will move entirely to LTO-4 when the new STKEN movers are up in FCC.
      Till then, we write raw data to 9940B, all else to LTO-3

DCache   -

   Jun 24 FNDCA public DCache upgraded to 1.8 - went well

Steve and Art will look at this.

A large number of LTO4 drives/movers are being installed for the public enstore system.

DB:

EricW: Can we have a version of SAM that can ride out a 2 hour downtime? Problem is that there is a station method that crashes if the DB server is unavailable. Adam will talk to Andrew.

Anil: Over weekend there was high usage of CDF production DB caused by one user. Problem was that an older version of the CDF software was used.

Enstore/dCache
We would like to give a big thanks to Dave Berg for all of his contributions to this meeting and his help with keeping enstore/dCache running! Good luck Dave!!